

February 8, 2010 11:41:13 AM Item ID: D4055-9 Accept Setup Start **Revision ID:** Stop Item Name: Tank Back Start Qty: 3.00 **Start Date:** 2/08/10 **Cust Item ID:** Req'd Qty: 3.00 Required Date: 2/22/10 **Customer:** Reference: Start Run Approvals: Process Plan: Date: Tooling: Date: Stop QC: Date: SPC (Y/N): Date: Sequence ID/ **Operation** Reject Set Up/ Draw Draw Plan Accept Reject Insp. **Work Center ID** Description **Run Hours** Number Rev. Code **Qty Qty** Number Stamp **Draw Nbr** Revision Nbr B REU A D4055 100 0.00 0.00 Purchasing Purchasing Purchase part as per Dwg D4055 Possible Supplier: GFI Material release note required 11,0/3/5 (3) 110 Receive & Inspect for Damage & Mat'l Certs 0.00 0.00 Packaging Memo Packaging QC6- Inspect dimensions to drawing 120 0.00 Sideslos & prien Day orly
Memo

Quality Control

0.00

**QC APPROVAL** 

no inspectes to a release Day. Stoloy/22

#### **Dart Aerospace Ltd**

| W/O;    |              | WORK ORDER CHANGES                          |          |         |                                     |                          |        |  |  |  |
|---------|--------------|---|----------|---------|-------------------------------------|--------------------------|--------|--|--|--|
| DATE    | STEP         | PROCEDURE CHANGE                            | Ву       | Qty     | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |        |  |  |  |
|         |              | Chanys - An 33.13 w now 33.28" 5.38 & 5.06" |          |         |                                     |                          |        |  |  |  |
|         |              |   |          |         |                                     |                          |        |  |  |  |
|         |              |   |          |         |                                     | 1                        |        |  |  |  |
| Part No | : <u>D40</u> | 55-9 PAR #: Fault Category:                 | NCR: Yes | (No) DQ | A:///                               | Date: <u>/</u>           | 008-01 |  |  |  |

| Resolution: |      | Disposit   | ion: QA                     | : N/C Clos  | sed:           | Date: _                |                       |                          |
|-------------|------|--|-----------------------------|---|----------------|------------------------|-----------------------|--------------------------|
| NCR: 54     | 5961 | WC   | ORK OR                      | DER NON-CONFORMANCE                                       | (NCR)          |                        |                       |                          |
| DATE        |      | Description of NC                                      |                             | Corrective Action Section B                               |                | Varification           | A                     |                          |
|             | STEP | Section A  | <b>Initial</b><br>Chief Eng | Action Description Chief Eng                              | Sign &<br>Date | Verification Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
| lol04)22    | 120  | Changes From PAI to Run<br>Dwy. Pants no longer confin | Nβ                          | Rep tay all parts per in Stock parts for years wild ment. | ps f           | A                      | 1609-01               | Sobyloz                  |
|             | ,    |  |                             |   |                |                        |                       |                          |

NOTE: Date & initial all entries

February 8, 2010 11:41:14 AM Item ID: D4055-9 Accept Setup Start **Revision ID:** Stop Tank Back Item Name: Start Qty: 3.00 **Start Date:** 2/08/10 **Cust Item ID:** Required Date: 2/22/10 Req'd Qty: 3.00 **Customer:** Reference: Run Start Approvals: Process Plan: Date: **Tooling:** Date: Stop QC: SPC (Y/N): Date: Date: Sequence ID/ Operation Reject Set Up/ Draw Plan Accept Reject Insp. Draw Work Center ID Description Number **Run Hours** Number Rev. Code Qty Qty Stamp Chemical Conversion Coat per QSI005 4.1 130 0.00 0.00 HandFinish Mémo Hand Finishing 140 Inspect Part Pinish 0.00 0.00 Memo Quality Control

Packaging

Identify as per dwg & Stock Location:

-1 on W/0 56762

Memo

150

Packaging

B 10.04.19

### Work Order ID 55961

February 8, 2010 11:41:14 AM



Page 3

Item ID:

D4055-9

Accept

Setup Start

Stop



**Revision ID:** 

Item Name: Tank Back

Required Date: 2/22/10

2/08/10

Start Qty: 3.00

Req'd Qty: 3.00

**Cust Item ID: Customer:** 

Reference:

**Start Date:** 

Approvals:

Process Plan:

Date:

**Tooling:** 

Date:

Start Run

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/

Work Center ID

160

Quality Control

Operation Description

QC21- Final Inspection - Work Order Release

Set Up/ **Run Hours** 

0.00

Draw Number

Draw Rev.

Accept Qty Code

Plan

Reject Qty

Reject Number Stamp

Insp.

0.00

Memo

EFFECTIVE COND

February 8, 2010 11:41:09 AM

Work Order ID: 55961

D4055-9 Parent Item:

Tank Back Parent Item Name:

IPP RevA: new issue DD 10.01.08 verified by:JLM **Comments:** 

**Start Date: 2/08/10** 

Required Date: 2/22/10

Start Qty: 3.00

Qty

Required Qty: 3.00

Component Item ID/ Item Name

Replacement Mfg/ Item ID

Purch

Bin Primary Item Location

Last Location Unit of Measure

Qty on Hand

0.0000

Qty To Pick Issued

Date Issued Status

D4055-9P

Purchased

No

Seq ID 110

Route

Each

3.0000

Remaining

Tank Back



180 AVENUE LABROSSE POINT-CLAIRE, QC, CANADA H9R 1A1 TÉL.:(514) 630-4877 - FAX:(514) 630-4849



## BON DE LIVRAISON / SHIPPING MEMO

| DATE DE LIV |    | PPING DATE |         | PAGE |
|-------------|----|------------|---------|------|
| 04          | 03 | 10         | 0433668 | 1/1  |

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.

VENDU À / SOLD TO

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

EXPÉDIÉ À I SHIP TO

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

|  |  | N° DE CONTRAT           | VOTREIN° DE COMMANDE    | EXPÉDIÉ PAR                              |
|--|--|-------------------------|-------------------------|--|
| ci.  | ODE DE CLIENT<br>USTOMER CODE  | JOB NO.                 | YOUR PUBCHASE ORDER NO. | SHIP VIA                                 |
| DART   | GFI-0299   | 0210447                 | PO11330 Y               | ESCRIPTION                               |
| QUANTITY                                     |  | N° DE PIÈCE<br>FÀRT NO. |                         | ESCRIPTION                               |
| (3.  | D4055-9P   |                         | TANK BACK               |  |
|  |  |                         | CERTIFICATE OF CON      | FORMANCE REQ                             |
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|  | Andrew State (1997)<br>Andrew State (1997)   |                         | EXPEDITEUR<br>SHIPPER   | SAIPPING MEMO NO                         |
|  |  |                         |                         |  |

DATE

# CERTIFICATE OF COMPLIANCE CERTIFICAT DE CONFORMITE



180 LABROSSE AVENUE POINTE CLAIRE, QC H9R 1A1 DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7



| A QUANTITY PURCHASE OR        | DER PART NUMBER REV  | NAME                    | DWG ISSUE             |
|-------------------------------|--|-------------------------|-----------------------|
| 3 PCS PO11330                 | D4055-9P   | TANK FWD END            | PA1                   |
| MATERIAL                      | SUPPLIED BY SAMUEL/ALCOA INC   |                         | EL. NO.               |
| AL 6061-T                     | SIA TODA TITLE OF THE TOTAL TO |                         |                       |
| PROCESS FIRST ARTICLE INSPECT | ION REPORT ON FILE   | PROCESSOR<br><b>GFI</b> | RELEASE NOTE CONFORMS |
| REF. GFI MANUFACTURING JOB    | NUMBER J0210447-001 (3 PCS)  |                         | J                     |
|                               |  |                         | J                     |
|                               |  |                         | J                     |
|                               |  |                         | J                     |
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|                               |  |                         |                       |

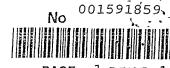
WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE **04 MARCH 2010** 

GELOC REP



LES METAUX SPECIALISES SAMUEL 21525 CLARK-GRAHAM BAIE D'URFE, QUEBEC, CANADA H9X 3T5



'ANSPORTEUR/CARRIER NAME STERO TRANSPORT (514) 457-3399 FAX(514) 457-9393

CAMONTRUCK | NOM DE LA BRANCHE/SALES BRANCH NAME SAMUEL & FILS & CIE(QUEBEC) L

DATED EXPLORED SHEWEN 2/16/10

VENDU À/SOLD TO:

GFI, DIVISION DE THOMAS & BETTS LTEE 180 LABROSSE

EXPÉDIÉ À/SHIP TO: TAB: PPD

GFI INC.

180 LABROSSE

POINTE-CLAIRE QC

POINTE-CLAIRE

OC

H9R1A1

CA

(201009 - 00001)

N° COMMANDE N°ITEM 000752-01

H9R1A1

DESCRIPTION ET POIDS/DESCRIPTION AND WEIGHT

#Comm du client: 76423 4 PCS AL. SH. 6061 T6

(514)630-4877

Cert/Test:

174 LVR

.0630"x48"x144"

QQA 250/11 #Pièce AS063481440M

Pd ca Qté

#Étia

Vendeur Org

Description #Étiq mln

Art #À soul 4 192,000 174

Étq princ 4947487

#Coul ALR US

764479 Total:

D654824 608951

4 192.000 174

1

174 LVR

Poids total: #Total paquets:

Commentaires connaissement:

CERTIFICAT DE CONFORMITÉ LE MATÉRIEL DÉTAILLÉ CI-DESSUS EST CERTIFIÉ CONFORME AUX EXIGENCES DE VOTRE COMMANDE ET AUX SPÉCIFICATIONS DES NORMES DU GRADE. SVP VOUS RÉFÉREZ AUX CERTIFICATS CI-JOINTS. AUTORISÉ PAR:

> MÉLISSA DIAMOND ADMINISTRATION

MIR: R-539477-1

\_ 648 EUELUTICHERTU MIST WORLEREPERMENTER METALLET AND CHARGES. EXPEDITEUR/DISPATCHER RECUPAR/RECEIVED BY VOITUR EA/DRIVER

#### CERTIFIED INSPECTION REPORT

#### Alcoa Inc. We hereby certify that the material covered by this conficate has been inspected with, and has been found to meet, the applicable requirements described therein, including any specifications forming a part of the description and that samples

1058276

Ship Date

PITTSBURGH, PA DAVENPORT WORKS

Alcoa No. 11cm

Ship From:

RIVERDALE, IA

Kenton P. Young Quality Assurance Manager

B.L. No. 2009-10-15 4303234 P.O. No./Goyt Contract No.

00000 1000143904-6 Customer Alcoa Item

Invoice No.

Page\_\_ DCE-43904-6

N22238 Ln#: 6

SAMUEL SON & CO LT G041110647R02

Ship To: SAMUEL SON & CO LTD

100

Malcolm Murphy

Olrector of Manufacturing Davenport Works

S.S.M.Q

Num

2

21525 CLARKE-GRAHAM BAIE D'URFE H9X 3T5 QC

appix.come requirements obscribed tractors, including any specifications running a part of the description and that semiprove representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

Item Description 0.063 IN TK (+0.0000 -.0035) X 48.0 IN W (+.125 -.125) X 144.0 IN LN (+.15625 -.15625) (N) A/T 6061-T6 FLAT SHEET FOR DISTRIBUTORS TOLERANCE GUARANTEED. AMS4027 REV N EXC MRK ASME-SB-209 REV 07 EXC\_MRK ASTMB209 REV 07

CMMP025 REV S CMMP019 REV D ((MARKED)) KRAFT PAPER INTERLEAVED MAX GROSS SKID WGT: 4500 LB QUAN TOL +/-30 % CQR 0222751 REV 02 CUST REQ 09-10-

| υŢ | *** | W/E | 09-10-24 | *** |
|----|-----|-----|----------|-----|

| 764477 608951<br>764478 608951<br>764479 608951 | Weight 4119 3408 4149 | Quantity<br>100<br>83<br>100 | UOM<br>PC<br>PC<br>PC | Pc Id/Serl<br>:<br>: | Inspector Clock Numbers<br>27299 47004<br>27299 47004<br>27299 47004 |
|---|-----------------------|------------------------------|-----------------------|----------------------|--|
|---|-----------------------|------------------------------|-----------------------|----------------------|--|

Notes for CQR: 0222751.2 PRODUCT PRODUCED TO THE REQUIREMENTS OF AMS4027 REV N ALSO MEET THE REQUIREMENTS OF AMS-QQ-A-250\_11 ORIGINAL REVISIO N DATED

COR: 0222751.2 -Specification Limits ----

UTS TYS EL4D Tmpr Dir KSI KSI PCT Long Transv. Max

Min 42.0 35.0 10

Chemical Composition Other Other FE CU MN MG CR ZN TI Each Total Aluminum

0.8 0.7 0.40 0.15 1.2 0.35 0.25 0.15 0.05 0.15 Alloy 6061 Min 0.15 0.8 0.04 REMAIN CERTIFIED INSPECTION REPORT

Malcolm Murphy

Alcoa Inc.

PITTSBURGH, PA

DAVENPORT WORKS

We hereby certify that the material covered by this corificate has been inspected with, and has been found to meet, the applicable requirements described therein, including any specifications forming a part of the description and that samples application requestions described insigns, modeling any specifications running a part or the description and units samples representative of the material mot the composition limits and had the machanical properties shown on the face of this cheet.

Director of Manufacturing Davenport Works

Kenton P. Young Quality Assurance Manager

2009-10-15 4303234 P.O. No./Goyt Contract No

1058276

Ship Date

Invoice No. 00000

Alcoa No. Item 1000143904-6

Ship From:

DCE-43904 ---

RIVERDALE, IA.

N22238 Ln#: 6

B.L. No.

Customer Alcoa Item

SAMUEL SON & CO LT G041110647R02

CQR: 0222751.2 -Specification Limits (cont.) - Mechanical, Physical, Metallography, Quantometer Results -----Tmpr Dir Тб Long Transv. PCT 50 44.8 10.9 49.9 44.8 10.9 Cast Number Chemical - OES SI FE H8054013 MN Actuals MG CR 0.66 0.5 0.26 0.06 0.9 0.19 0.05 0.02

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

5.38 R0,19 TYP 25.43 2.50 11.49 D4055-9 TANK BACK **PRELIMINARY ISSUE** DESIGN **DART AEROSPACE LTD** 

**#** 10.01.11

DRAWN CHECKED MFG. APPR. APPROVED

HAWKESBURY, ONTARIO, CANADA DRAWING NO.

D4055 TITLE

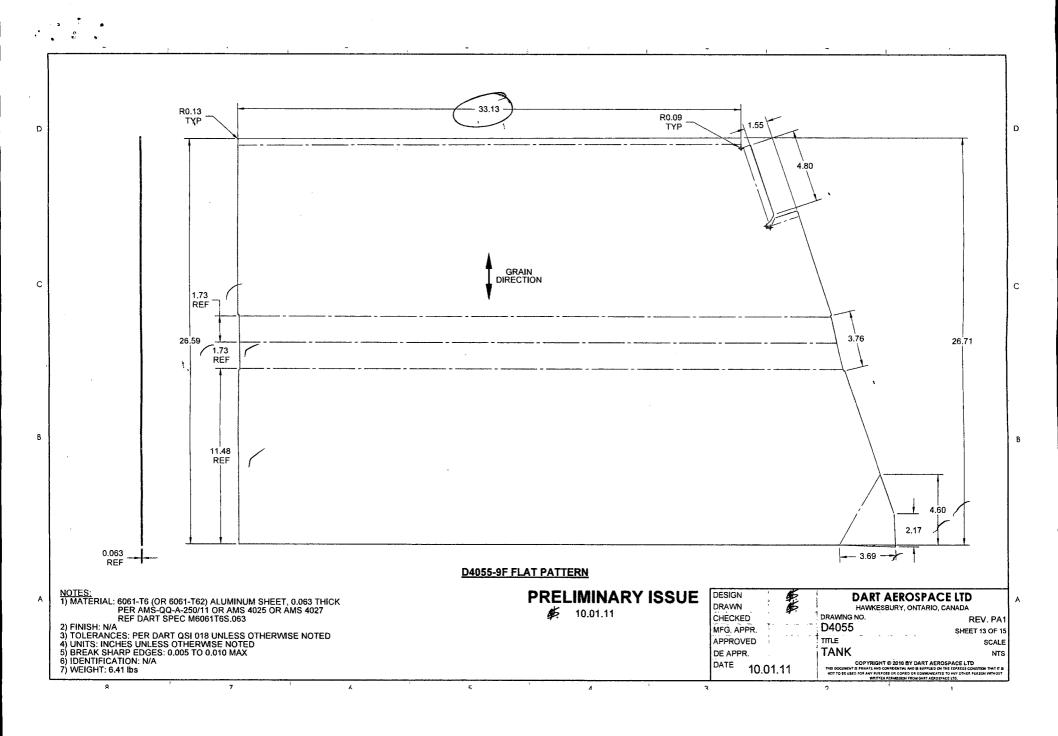
REV. PA1 SHEET 12 OF 15 SCALE

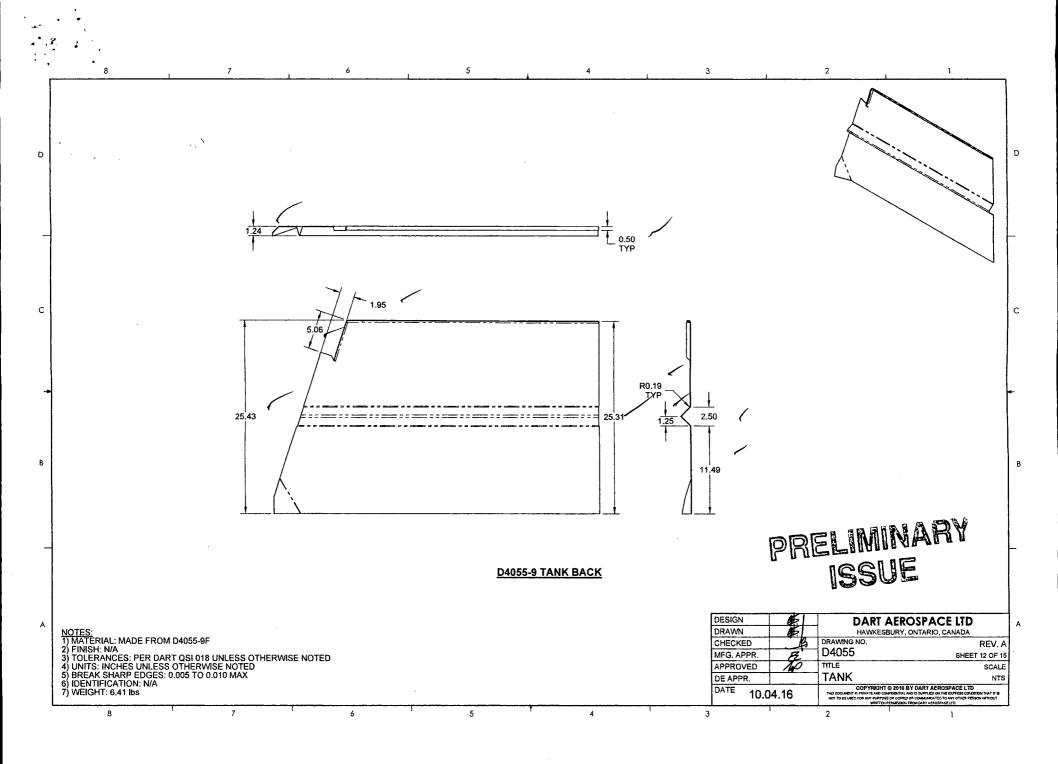
**TANK** DE APPR. DATE 10.01.11

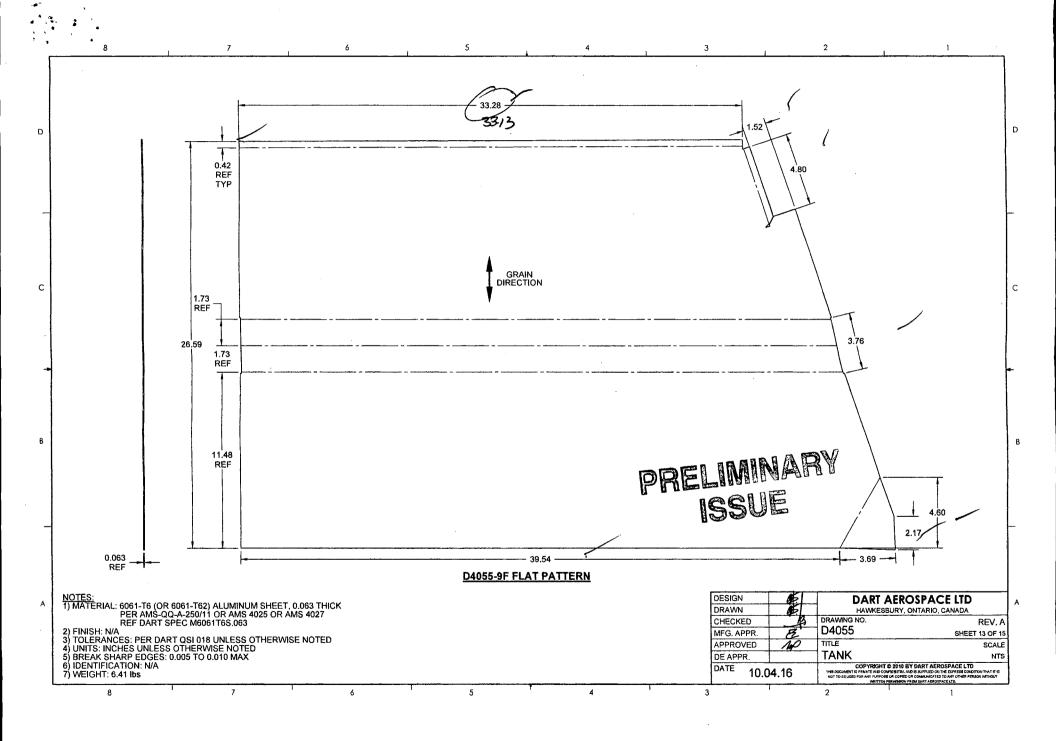
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WANTEN PERMISSION FROM EAST AEROSPACE LTD.

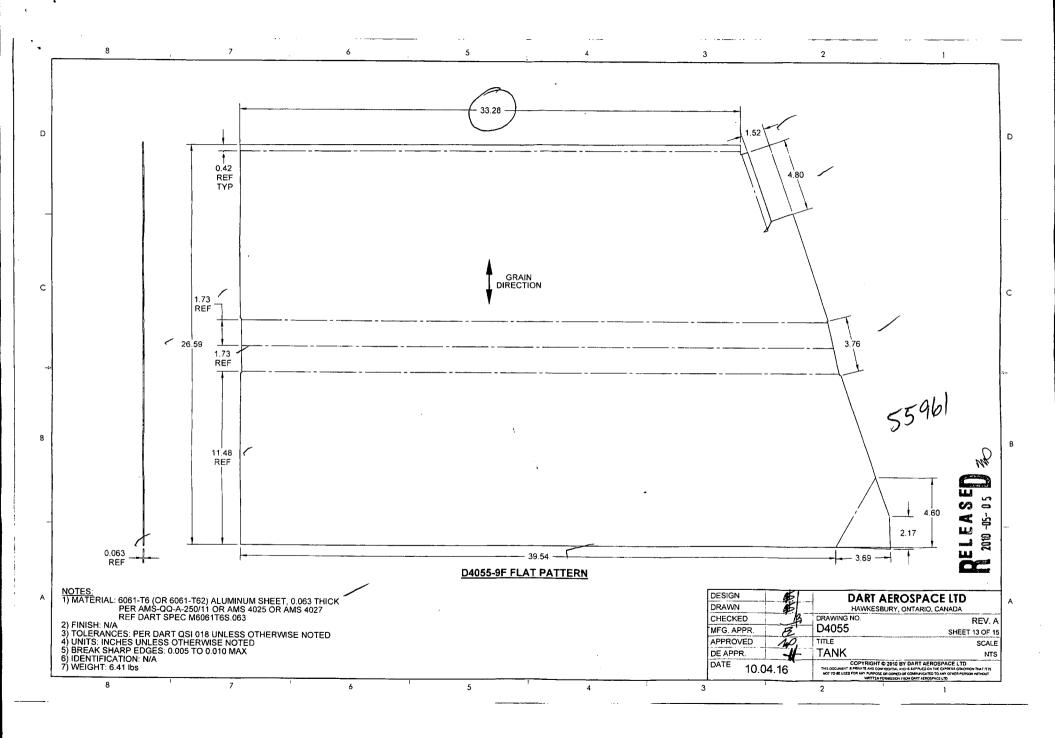
NOTES:
1) MATERIAL: MADE FROM D4055-9F
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 6.41 lbs

D





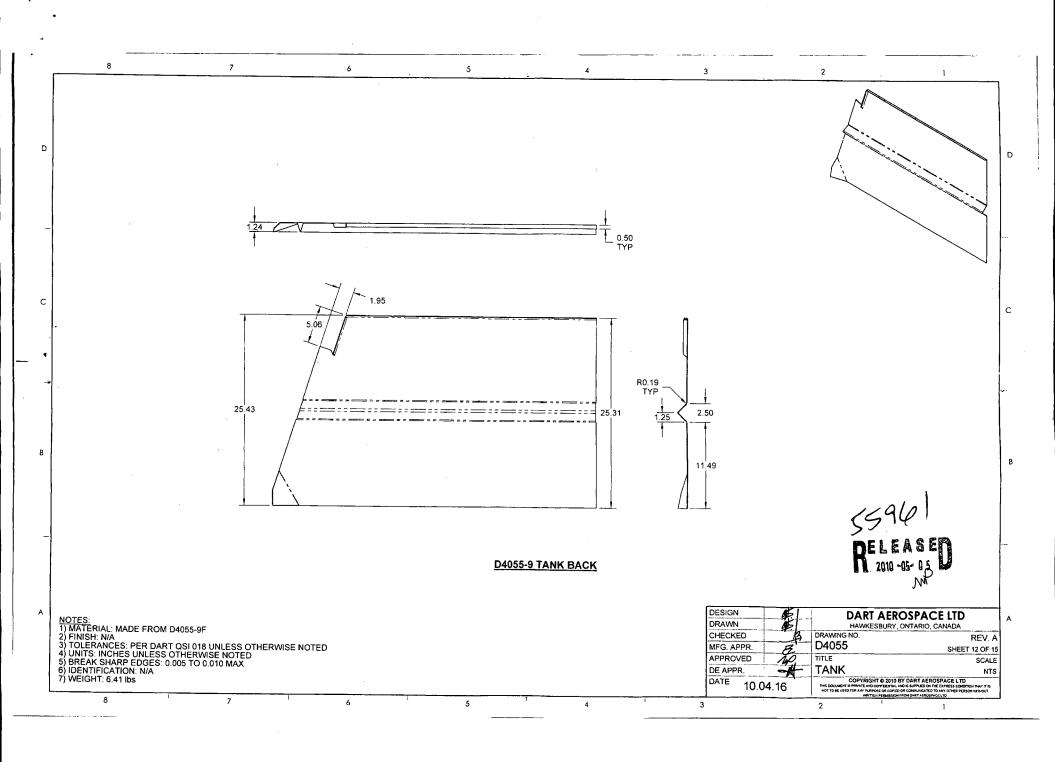




#### **Dart Aerospace Ltd**

|                                | . 00pa00 = |                   |                      |                              |              |                |                                       |           |                               | •                         |
|--------------------------------|------------|-------------------|----------------------|------------------------------|--------------|----------------|---------------------------------------|-----------|-------------------------------|---------------------------|
| W/O:                           |            |                   | WC                   | RK ORDER CHAN                | GES          |                | · · · · · · · · · · · · · · · · · · · | · · · · · |                               |                           |
| DATE                           | STEP       | PR                | OCEDURE CHAI         | NGE                          |              | Ву             | Date                                  | Qty       | Approval Chief Eng / Prod Mgr | Approvati<br>QC Inspector |
|                                |            |                   |                      |                              |              |                |                                       |           |                               |                           |
|                                |            |                   |                      |                              |              |                |                                       |           |                               |                           |
| Part No                        | •          | DAR #-            | Fault Cate           | norv:                        | NCB          | · Vas I        | do DO                                 | Δ-        | Date                          |                           |
| Part No: PAR #:<br>Resolution: |            |                   |                      |                              |              |                |                                       |           |                               |                           |
| NCR:                           |            |                   |                      | ER NON-CONFORM               |              |                |                                       |           |                               |                           |
|                                |            | Description of NC |                      | Corrective Action Se         | ection B     |                | Verifi                                | cation    | Approval                      | Approval                  |
| DATE                           | STEP       | Section A         | Initial<br>Chief Eng | Action Description Chief Eng | 1            | Sign &<br>Date |                                       | ion C     | Chief Eng                     | QC Inspector              |
|                                |            |                   |                      |                              |              | •              |                                       |           |                               |                           |
|                                |            |                   |                      |                              |              |                |                                       |           |                               |                           |
|                                |            |                   |                      |                              |              |                |                                       |           |                               |                           |
|                                |            |                   |                      |                              |              |                | į                                     |           |                               |                           |
|                                |            |                   |                      |                              | <del>-</del> |                |                                       |           |                               |                           |
|                                | 1          |                   |                      |                              |              |                | !                                     |           | 1                             |                           |

NOTE: Date & initial all entries



| ospace l | _td               |                       |  |   |  |  |   |   |   |
|----------|-------------------|-----------------------|--|---|--|--|---|---|---|
|          |                   | WO                    | RK ORDER CHA   | NGES  |  |  |   |   |   |
| STEP     | PROCEDURE CHANGE  |                       |  | Ву  | Date   | Qty  | Approval Chief Eng / Prod Mgr   | Approval<br>QC Inspector  |   |
|          |                   |                       |  |   |  |  |   |   |   |
|          |                   |                       |  |   |  |  |   |   |   |
|          |                   |                       |  |   |  |  |   |   |   |
|          |                   |                       |  |   |  |  |   |   |   |
| :        | PAR #:            | Fault Categ           | Jory:  | NO  | CR: Yes  | No <b>DQ</b>   | A:  | Date: _   |   |
| Res      | solution:         | Disposition           | ):   | Q.  | A: N/C CI  | osed:  |   | Date: _   | <del></del>   |
|          | V                 | ORK ORDE              | R NON-CONFO  | RMANC   | E (NCF   | R)   |   |   |   |
|          | Description of NC |                       | Corrective Action  | Section B   |  | Verifi   | cation  | Approval  | Approval  |
| STEP     | Section A         | Initial<br>Chief Eng  | Action Descript<br>Chief Eng   | ion   | _  | )  |   | Chief Eng   | QC Inspector  |
|          |                   |                       |  |   |  |  |   |   |   |
|          |                   |                       |  |   |  |  |   |   |   |
|          |                   |                       |  |   |  |  |   |   |   |
|          | STEP              | :PAR #:  Resolution:W | STEP PROCEDURE CHAN  PROCEDURE CHAN  PAR #: Fault Category  Resolution: Disposition  WORK ORDE  STEP Description of NC Section A | STEP PROCEDURE CHANGE  :PAR #:Fault Category:  Resolution:Disposition:  WORK ORDER NON-CONFORM  STEP Description of NC Section A   Corrective Action   Step Section A | WORK ORDER CHANGES  STEP PROCEDURE CHANGE  :PAR #:Fault Category:NORTH NORTH N | WORK ORDER CHANGES  STEP PROCEDURE CHANGE By  :PAR #:Fault Category:NCR: Yes  Resolution:Disposition:QA: N/C CI  WORK ORDER NON-CONFORMANCE (NCF  STEP Description of NC | WORK ORDER CHANGES  STEP PROCEDURE CHANGE By Date  :PAR #:Fault Category:NCR: Yes No DQ  Resolution:Disposition:QA: N/C Closed:  WORK ORDER NON-CONFORMANCE (NCR)  STEP Description of NC | WORK ORDER CHANGES  STEP PROCEDURE CHANGE By Date Qty  :PAR #:Fault Category:NCR: Yes No DQA:  Resolution:Disposition:QA: N/C Closed:  WORK ORDER NON-CONFORMANCE (NCR)  STEP Description of NC | WORK ORDER CHANGES  STEP PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr  :PAR #: Fault Category: NCR: Yes No DQA: Date:  Resolution: Disposition: QA: N/C Closed: Date:  WORK ORDER NON-CONFORMANCE (NCR)  STEP Description of NC Section A Approval Initial Action Description Sign & Section C Section C Chief Eng |

NOTE: Date & initial all entries